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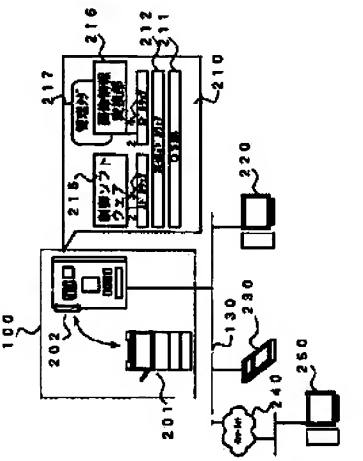
H04N 7/173

(21)Application number : 2001-336416
(22)Date of filing : 01.11.2001

(71)Applicant : RICOH CO LTD
(72)Inventor : OHIRA HIROTAKA

(54) IMAGE INFORMATION CONVERSION PROCESSING SYSTEM

(57)Abstract:
PROBLEM TO BE SOLVED: To provide an image information conversion processing system capable of acquiring utilization information safely and accurately, and coping with a conversion procedure change, by operating an image information conversion part independently in a program unit.
SOLUTION: An image information processing controller body 202 controls the operation of the image information conversion part 216 in the program unit based on a control tag 217, to thereby enable an image information conversion operation by utilizing the program efficiently. At the time of utilizing the program, accounting data corresponding to a version in each program unit and corresponding validity information are stored in an accounting information storage circuit 402 as a pair. Read accounting counter value data are enciphered based on private key data 412b and a one-way function 413b, and the validity information in a validity information memory 322 is compared with the accounting counter value data in an accounting information memory 321 enciphered based on the one-way function 413b by a comparison circuit 433, to thereby execute normality determination thereof. Hereby, replacement or alteration of a software can be detected and removed, and highly accurate accounting management based on the correct accounting counter value data can be executed.



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(43)公開日　平成15年５月16日(2003.5.16)

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	５１２		５１２	５Ｃ０７５
	ＺＥＣ		ＺＥＣ	５Ｊ１０４

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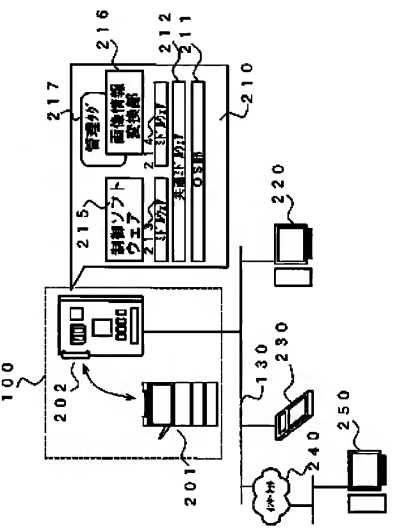
(54)【発明の名称】　画像情報変換処理システム

(57)



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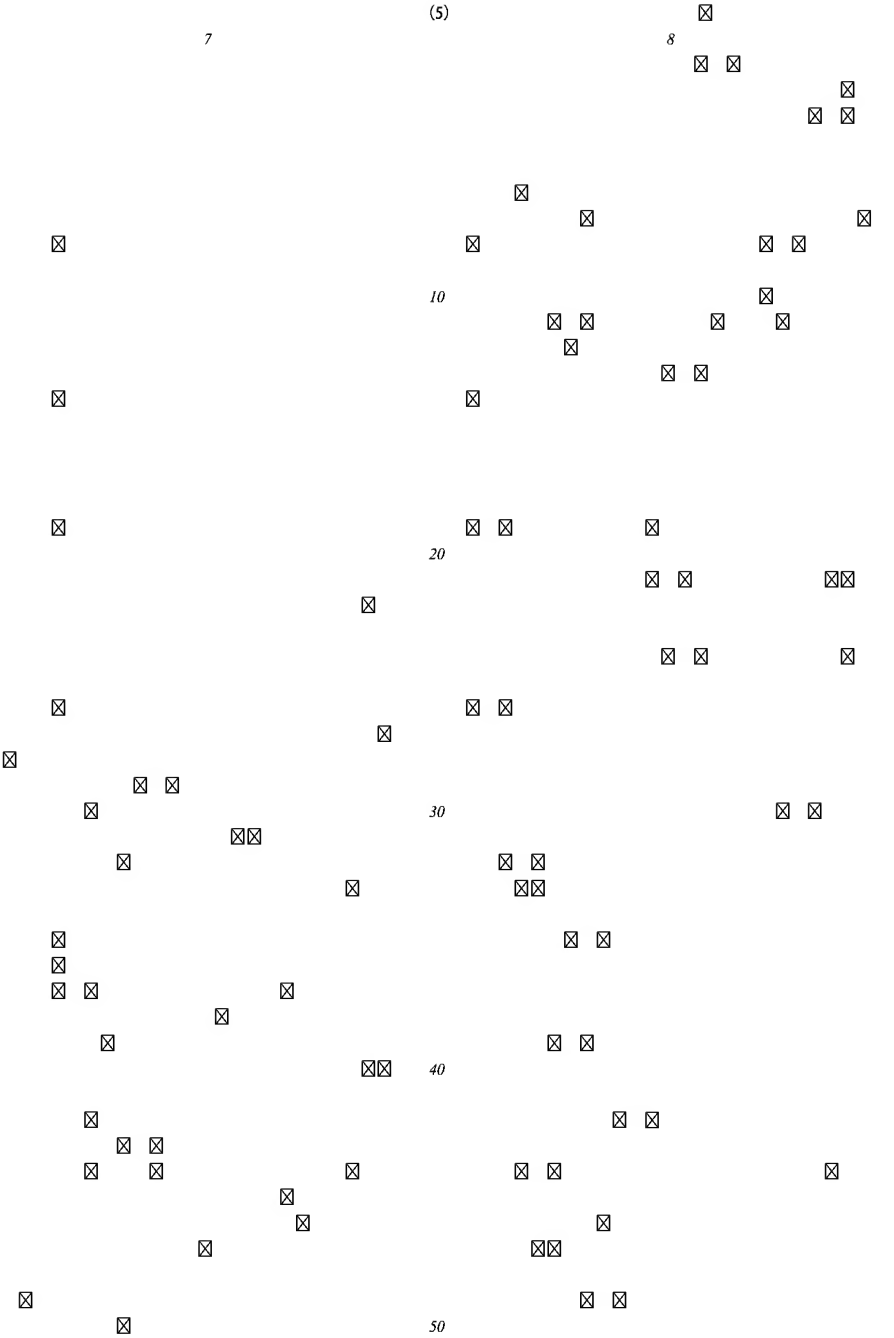
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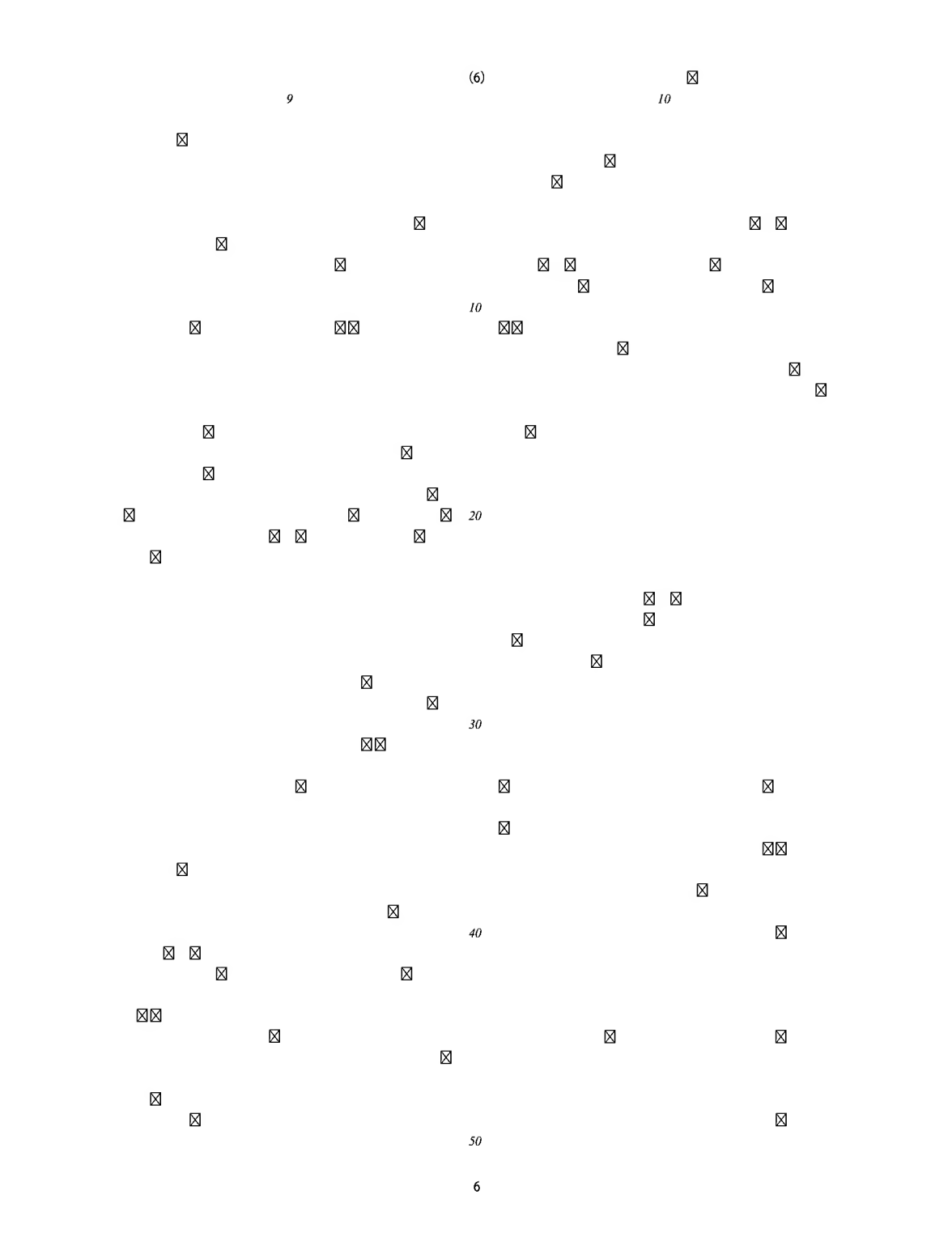
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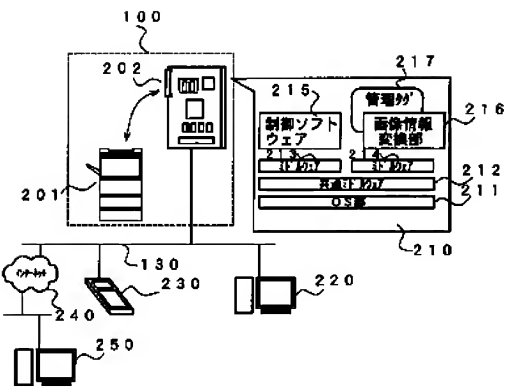
100
202
201
215
制御ソフトウェア
217
管理ﾌﾟﾛｸﾞ
216
画像情報変換部
212
211
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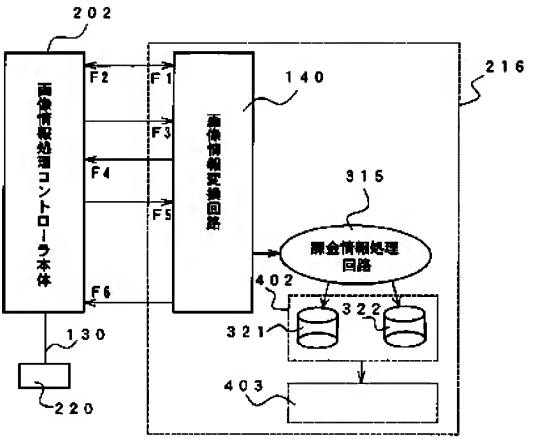
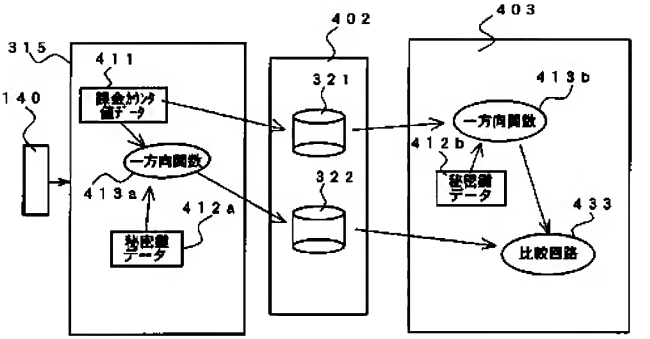
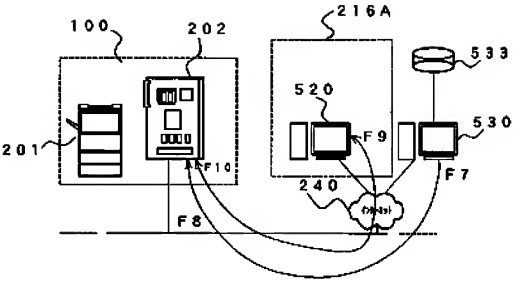
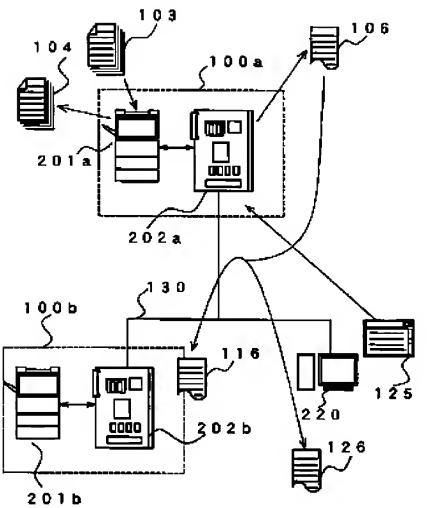

202
画像情報処理コントローラ本体
F1
F2
F3
F4
F5
F6
画像情報変換回路
140
216
315
課金情報処理回路
402
321
322
403
130
220


315
411
課金カウンタ値データ
140
一方向関数
413a
412a
秘密鍵データ
402
321
322
403
413b
一方向関数
412b
秘密鍵データ
433
比較回路





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AC03 AC24 AC35 AE01 AF00
AF08 AF14 BD00
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BC23 BD02 BD03 BD08 BD09
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